



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: CA1163

Peter R. BEETHAM, et al.

Appln. No.:09/685,403

Group Art Unit: 1638

Confirmation No.: 4644

Examiner: KRUSE, David H.

Filed: October 10, 2000

For: NON-TRANSGENIC HERBICIDE RESISTANT PLANTS

SUBMISSION OF FORMAL DRAWINGS

Official Draftsperson
Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith please find 8 sheet(s) of formal drawings. The Examiner is respectfully requested to acknowledge receipt of these formal drawings.

The submitted drawings incorporate the proposed drawing changes approved in the Office Action mailed 11 September 2002 and are believed to obviate the informalities indicated on Form PTO-948 attached to that Office Action. As requested Fig 3A-3F and Fig. 4A and 4B were relabeled with letter designations.

Respectfully submitted,

John M. Sanders
Registration No. 30,126

Saliwanchik, Lloyd & Saliwanchik
2421 N.W. 41st Street, Suite A-1
Gainesville, FL 32606-6669

Tel: (352)-375-8100

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope dated March 11, 2003.

Signed

March 11, 2003

John M. Sanders 30,126

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Title: NON-TRANSGENIC HERBICIDE RESISTANT PLANTS

Inventor(s): Peter BLETHAM et al.

Application No: 09 685,403

Sheet 5 of 14

Section 5

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Section 6

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Section 7

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(199) GAAGCTGGAACAGCTGCTGTAAGTGAAGGAGTGGCGGCTATATTTCCAGCTTCCAT
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Section 8

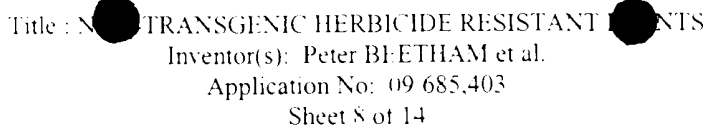
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(267) TAAAGAGGAAATGCAAGCTTCTCTGCGGAAATGCTGGAACTGCAATGCGGCCATTGACAGCAGCTGTTACTG
(498) AGATTCCAAAGGTGATATTGAAATTGTACCTTGTGTAATGCAGGAAACAGCAATGCGTCCACTAACCCGCTGCAG

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Title : NON-TRANSGENIC HERBICIDE RESISTANT PLANTS
Inventor(s) : Peter BETHAM et al.
Application No: 09 685,403
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Section 21									
	1421	1430	1440	1450	1460	1470	1480	1491	
atepsps	1421) CAGAGATTGATAGATA	1430) GATGATCATAGAA	1440) TGGCAATGGCAAT	1450) TGGCAATGGCAAT	1460) TGGCAATGGCAAT	1470) TGGCAATGGCAAT	1480) TGGCAATGGCAAT	1491) TGGCAATGGCAAT	
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petaroac	1400) CGGAGATTGATAGATA	1430) GATGATCATAGAA	1440) TGGCAATGGCAAT	1450) TGGCAATGGCAAT	1460) TGGCAATGGCAAT	1470) TGGCAATGGCAAT	1480) TGGCAATGGCAAT	1491) TGGCAATGGCAAT	
zme	1400) CCGATATTGATACATAC	1430) GATGATCATAGAA	1440) TGGCAATGGCAAT	1450) TGGCAATGGCAAT	1460) TGGCAATGGCAAT	1470) TGGCAATGGCAAT	1480) TGGCAATGGCAAT	1491) TGGCAATGGCAAT	
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Section 22									
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bneps	1483) ATCACCATCAATGACT	1500) GATGATCATAGAA	1510) TGGCAATGGCAAT	1520) TGGCAATGGCAAT	1530) TGGCAATGGCAAT	1540) TGGCAATGGCAAT	1550) TGGCAATGGCAAT	1562) TGGCAATGGCAAT	
petaroac	1471) GTCAAGATTGATAGATA	1500) GATGATCATAGAA	1510) TGGCAATGGCAAT	1520) TGGCAATGGCAAT	1530) TGGCAATGGCAAT	1540) TGGCAATGGCAAT	1550) TGGCAATGGCAAT	1562) TGGCAATGGCAAT	
zme	1471) GTCAAGATTGATAGATA	1500) GATGATCATAGAA	1510) TGGCAATGGCAAT	1520) TGGCAATGGCAAT	1530) TGGCAATGGCAAT	1540) TGGCAATGGCAAT	1550) TGGCAATGGCAAT	1562) TGGCAATGGCAAT	
Gen	1261) ATCCGGGACCCGGGG	1500) GATGATCATAGAA	1510) TGGCAATGGCAAT	1520) TGGCAATGGCAAT	1530) TGGCAATGGCAAT	1540) TGGCAATGGCAAT	1550) TGGCAATGGCAAT	1562) TGGCAATGGCAAT	
	1492) GTCACCATCAATGACT	1500) GATGATCATAGAA	1510) TGGCAATGGCAAT	1520) TGGCAATGGCAAT	1530) TGGCAATGGCAAT	1540) TGGCAATGGCAAT	1550) TGGCAATGGCAAT	1562) TGGCAATGGCAAT	
Section 23									
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bneps	1542) AAAGCATTTAA	1572) AAAGCATTTAA							
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zme	1332) TTAA-----	1572) AAAGCATTTAA							
Gen	1563) AAAGCATTTAA	1572) AAAGCATTTAA							



Title: TRANSGENIC HERBICIDE RESISTANT PLANTS

Inventor(s): Peter BEETHAM et al.

Application No: 09 685.403

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Section 1										Section 2																											
1	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300							
MAQMSRICNGVQNP-S	ISNL	SKS	QKSP	LSV	SLK	TQ	QHP	RAY	PI	SS	SW	GL	KK	SG	MT	IG	SR	---	---	---	---	---	---	---	---	---	---	---	---	---							
MAQSSRICNGVQNP	CV	ISNL	SKS	QKSP	FS	VL	KT	HQ	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---							
MAQNNNAAGG	QTL	NP	NS	FN	HK	PP	QV	PK	SS	FF	V	FG	SK	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---							
AG	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---							
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Section 1										Section 2																											
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VDN	LL	NS	DD	DI	NY	ML	D	A	L	K	R	L	G	L	N	V	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---		
VMASVST	EK	ASEI	VL	QPI	REI	SG	L	KL	PG	SK	SL	SN	RI	LL	AA	LS	EG	TT	VV	DN	LL	NS	DD	DI	NY	ML	D	A	L	K	R	L	G	L	N	V	
VDN	LL	NS	DD	DI	NY	ML	D	A	L	K	R	L	G	L	N	V	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
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VMASV	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
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Title: TRANSGENIC HERBICIDE RESISTANT CROPS

Inventor(s): Peter BEETHAM et al.

Application No: 09 685,403

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Section 5

297 310 320 330 340 350 360 370
1) LKLMERFGVSVTEHSDSWDRFFVKGQKYSKPGNAYVEGDASSACYFLAGAAITGETVTVEGCGTTSLSQGDVKFA
2) LKLMERFGVSAEHSWDRFFVKGQKYSKPGNAYVEGDASSACYFLAGAAITGETVTVEGCGTTSLSQGDVKFA
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4) LKLMERFGVKAHSDSWDRFFVKGQKYSKPGNAYVEGDASSACYFLAGAAITGETVTVEGCGTTSLSQGDVKFA
5) LKLMERFGVSEHSDSWDRFFVKGQKYSKPGNAYVEGDASSACYFLAGAAITGETVTVEGCGTTSLSQGDVKFA

Section 6

371 380 390 400 410 420 430 444
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5) EVLEKMGCKVSWTENSVTVTGPPRDAFGMRHLRAIDVNMNKMPPDVAMTLAVVALFADGPTTIRDVASWRVKETE

Section 7

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1) RMIAICTELRKLGLGATVEEGSDYCIITPPKKKKTAEIDTYDDHRMAMAFSLAACADVPVTINDSGCTRKTFPDPYF
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Section 8

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1) 3VLERITKH
2) 3VLESITKH
3) 3VLEQYKH
4) 3VLSFVKN
5) 3VLESITKH

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